

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 – 37 (cancelled)

Claim 38 (currently amended): A turbocharger system for a vehicle having an internal combustion engine, an exhaust pipe coupled to the internal combustion engine and a space

defined by the vehicle normally occupied by a muffler, comprising:

a turbocharger;

an oiling system coupled to the turbocharger for supplying oil to the bearings of the

turbocharger; and

mounting hardware ~~for remotely~~ mounting the turbocharger to the exhaust pipe of the vehicle

~~away from an engine compartment of a vehicle at a location that is at least partially in~~

~~the space normally occupied by the vehicle's existing muffler.~~

Claim 39 (previously presented): The turbocharger system of claim 38, wherein said turbocharger includes an oil inlet configured for being coupled to a pressure side of said oiling system, an oil outlet, an exhaust inlet, an exhaust outlet, an air charge inlet, and an air charge outlet.

Claim 40 (previously presented): The turbocharger of claim 38, wherein said oiling system comprises an oil pump in fluid communication with said turbocharger.

Claim 41 (previously presented): The turbocharger of claim 39, further comprising a valve in fluid communication with the oil inlet of the turbocharger to prevent oil from flowing into the turbocharger when the pressure on the pressure side of the oiling system drops below a predetermined level.

Claim 42 (previously presented): The turbocharger of claim 38, wherein said oiling system includes the oiling system of the vehicle.

Claim 43 (cancelled)

Claim 44 (previously presented): The turbocharger system of claim 41, wherein an outlet of said valve is positioned before said oil inlet of said turbocharger.

Claim 45 (previously presented): The turbocharger system of claim 39, further comprising an air filter coupled to the air charge inlet of the turbocharger.

Claim 46 (previously presented): The turbocharger system of claim 45, further comprising a duct for coupling said air filter to said turbocharger at a location away from the engine compartment of the vehicle, the location being relatively isolated from road debris.

Claim 47 (previously presented): The turbocharger system of claim 46, wherein said duct is configured to mount said air filter in a fender well of the vehicle.

Claim 48 (previously presented): The turbocharger system of claim 39, further comprising a wastegate coupled between an exhaust system of the vehicle at a location before the exhaust inlet of the turbocharger.

Claim 49 (previously presented): The turbocharger system of claim 38, further comprising a water injection system coupled to a charge air tube for injecting water into a flow of gases exiting the turbocharger to cool the flow of gases.

Claim 50 (previously presented): The turbocharger system of claim 48, further comprising a wastegate control system for regulating boost pressure.

Claim 51 (currently amended): The turbocharger system of claim 40, wherein said oil pump is ~~remotely mounted proximate said turbocharger away from the engine compartment of the vehicle.~~

Claim 52 (previously presented): The turbocharger system of claim 40, further comprising a pump controller for varying the speed of the pump according to engine speed.

Claim 53 (currently amended): A method of mounting a turbocharger to an internal combustion engine driven vehicle, comprising:

mounting an exhaust inlet of ~~a~~ the turbocharger to an exhaust system of a vehicle, the turbocharger having an oil inlet and an oil outlet;  
coupling an oil pump in fluid communication with the oil outlet of the turbocharger and a reservoir side of an oil system; and  
removing an existing muffler from the vehicle and mounting the turbocharger at least partially in a space normally occupied by the existing muffler.

Claim 54 (cancelled)

Claim 55 (previously presented): The method of mounting a turbocharger to an internal combustion engine driven vehicle of claim 53, further comprising installing a valve between the turbocharger oil inlet and a pressure side of the oil system.

Claim 56 (previously presented): The method of mounting a turbocharger to an internal combustion engine driven vehicle of claim 53, further comprising positioning an inlet to the oil pump in fluid communication with the oil outlet of the turbocharger.

Claim 57 (previously presented): The method of mounting a turbocharger to an internal combustion engine driven vehicle of claim 53, further comprising coupling an air filter to an air charge inlet of the turbocharger.

Claim 58 (canceled):

Claim 59 (currently amended): The method of mounting a turbocharger to an internal combustion engine driven vehicle of claim 58 53, wherein the air filter is positioned in a fender well of the vehicle.

Claim 60 (previously presented): The method of mounting a turbocharger to an internal combustion engine driven vehicle of claim 53, further comprising coupling a wastegate between an exhaust pipe of the vehicle at a location before an exhaust inlet of the turbocharger and a tail pipe of the vehicle.

Claim 61 (previously presented): The method of mounting a turbocharger to an internal combustion engine driven vehicle of claim 53, further comprising coupling a water injection system to the turbocharger for injecting water into an air charge flow exiting the turbocharger.

Claim 62 (previously presented): The method of mounting a turbocharger to an internal combustion engine driven vehicle of claim 53, further comprising providing a modified engine oil fill cap with fittings to couple to an oil return line extending between the oil pump and the fill cap.

Claim 63 (previously presented): The method of mounting a turbocharger to an internal combustion engine driven vehicle of claim 53, further comprising providing a wastegate control system for regulating boost pressure.

Claim 64 (previously presented): The method of mounting a turbocharger to an internal combustion engine driven vehicle of claim 53, further comprising providing a pump controller for varying a speed of the pump according to engine speed.

Claim 65 (currently amended): A turbocharger installation kit for a vehicle having a combustion engine disposed within an engine compartment and an oiling system having an oil system pump and an oil reservoir for lubricating the combustion engine, comprising:  
a turbocharger;

an oil pump for coupling between to the turbocharger and the oiling system of the vehicle to assist in the flow of pump oil through the turbocharger back to the oiling system of the vehicle;

first exhaust plumbing having a first end configured for mounting to an exhaust system of the engine and a second end, the first exhaust plumbing configured for extending from the engine compartment to an underside of the vehicle coupling said turbocharger to a flow of exhaust from an engine of a vehicle;

first mounting hardware configured for remotely mounting the turbocharger to the second end of the first exhaust plumbing and not to the combustion engine vehicle and at least partially in a space occupied by the vehicle's existing muffler;

a first oil line configured for coupling between the oiling system of the vehicle and the turbocharger; and

a second oil line for coupling between the oil pump and the oiling system of the vehicle.

Claim 66 (currently amended): The turbocharger installation kit of claim 65, further comprising a first duct for delivering air from the turbocharger to ~~a throttle body~~ of the engine.

Claim 67 (canceled)

Claim 68 (previously presented): The turbocharger installation kit of claim 65, further comprising a valve for coupling to the first oil line and for preventing oil flow into the turbocharger when the engine is not running.

Claim 69 (previously presented): The turbocharger installation kit of claim 65, further comprising second exhaust plumbing for coupling to the turbocharger and exiting exhaust from the turbocharger.

Claim 70 (currently amended): The turbocharger installation kit of claim 65, further comprising second mounting hardware for mounting the oil pump proximate to the turbocharger an underside of the vehicle.

Claim 71 (previously presented): The turbocharger installation kit of claim 65, further comprising an electrical harness, switch, and relay for providing variable voltage to the oil pump to adequately meet the varying flow requirements of the turbocharger while reducing the noise output of the oil pump when flow requirements are minimal.

Claim 72 (previously presented): The turbocharger installation kit of claim 65, further comprising a hose and fittings to connect a fuel pressure regulator to an intake tube, an intake manifold, or to an exhaust line.

Claim 73 (previously presented): The turbocharger installation kit of claim 65, further comprising a wastegate control system for regulating boost pressure.

Claim 74 (previously presented): The turbocharger installation kit of claim 65, further comprising a pump controller for regulating the speed of the pump according to engine speed.

Claim 75 (currently amended): A turbocharger system for a vehicle defining an engine compartment and having an internal combustion engine disposed within the engine compartment and an exhaust pipe coupled to the combustion engine and extending from proximate the engine to outside the engine compartment, comprising:  
a turbocharger, said turbocharger including an oil inlet configured for being coupled to a pressure side of said oiling system, an oil outlet, an exhaust inlet, an exhaust outlet, an air charge inlet, and an air charge outlet;  
an oiling system coupled to the turbocharger for supplying oil to the bearings of the turbocharger;  
mounting hardware for ~~remotely~~ mounting the turbocharger to the exhaust pipe at a location outside the ~~away from an~~ engine compartment and not to the internal combustion engine of a vehicle and on the underside of the vehicle;

an air filter coupled to the air charge inlet of the turbocharger; and

a duct coupling for coupling said air filter to said turbocharger, ~~said air filter being coupled to the underside of the vehicle and relatively isolated from road debris.~~

Claim 76 (currently amended): The turbocharger system of claim 75, wherein said oiling system comprises an oil pump in fluid communication with and positioned outside the engine compartment and proximate to said turbocharger.

Claim 77 (previously presented): The turbocharger system of claim 76, further comprising a valve in fluid communication with the oil inlet of the turbocharger to prevent oil from flowing into the turbocharger when the pressure on the pressure side of the oiling system drops below a predetermined level.

Claim 78 (previously presented): The turbocharger system of claim 75, wherein said oiling system includes the oiling system of the vehicle.

Claim 79 (previously presented): The turbocharger system of claim 75, wherein said duct is configured to mount said air filter in a fender well of the vehicle.

Claim 80 (currently amended): The turbocharger system of claim 76, wherein said oil pump is mounted ~~to an underside of the vehicle~~ at a level that is below the turbocharger.

Claim 81 (previously presented): The turbocharger system of claim 77, further comprising a pump controller for varying the speed of the pump according to engine speed.

Claim 82 (currently amended): A turbocharger system for an internal combustion engine, comprising:

a turbocharger;

an ~~oiling system~~ oil pump coupled to the turbocharger for supplying oil to the bearings of the turbocharger;

mounting hardware for ~~remotely~~ mounting the turbocharger to an exhaust pipe of a vehicle

and not to the internal combustion engine; and

a water injection system coupled to a charge air tube for injecting water into a flow of gases exiting the turbocharger to cool the flow of gases.

Claim 83 (currently amended): The turbocharger system of claim 82, further comprising an air filter and a duct for coupling said air filter to said turbocharger, ~~said air filter being coupled to the vehicle and relatively isolated from road debris~~

Claim 84 (previously presented): The turbocharger of claim 82, wherein said oiling system comprises an oil pump in fluid communication with said turbocharger.

Claim 85 (previously presented): The turbocharger of claim 82, further comprising a valve in fluid communication with the turbocharger to prevent oil from flowing into the turbocharger when the pressure on the pressure side of the oiling system drops below a predetermined level.

Claim 86 (previously presented): The turbocharger of claim 82, wherein said oiling system includes the oiling system of the vehicle.

Claim 87 (currently amended): A method of mounting a turbocharger to an internal combustion engine driven vehicle, comprising:

mounting an exhaust inlet of ~~a~~ the turbocharger to an exhaust ~~system~~ pipe extending at least partially along the underside of ~~a~~ the vehicle ~~at a location on the underside of the~~ ~~vehicle away from an engine of the vehicle~~, the turbocharger having an oil inlet and an oil outlet;

coupling an oil pump in fluid communication with the oil outlet of the turbocharger and a reservoir side of an oil system; and

providing a modified engine oil fill cap with fittings to couple to an oil return line extending between the oil pump and the fill cap.

Claim 88 (previously presented): The method of mounting a turbocharger to an internal combustion engine driven vehicle of claim 87, further comprising removing an existing

muffler from the vehicle and mounting the turbocharger at least partially in a space normally occupied by the existing muffler.

Claim 89 (previously presented): The method of mounting a turbocharger to an internal combustion engine driven vehicle of claim 87, further comprising installing a valve between the turbocharger oil inlet and a pressure side of the oil system.

Claim 90 (currently amended): A turbocharger installation kit for combustion engine, comprising:

a turbocharger;

an oil pump for coupling to the turbocharger to assist in the flow of oil through the turbocharger;

first exhaust plumbing configured for coupling said turbocharger to a flow of exhaust from an engine of a vehicle;

first mounting hardware configured for mounting the turbocharger to the underside of the vehicle and not to the engine at a location away from an engine compartment of the vehicle;

a first oil line configured for coupling between an oiling system of the vehicle and the turbocharger;

a second oil line for coupling between the oil pump and the oiling system of the vehicle; and

a valve for coupling to the first oil line and for preventing oil flow into the turbocharger when the engine is not running.

Claim 91 (currently amended): The turbocharger installation kit of claim 90, further comprising a first duct for delivering air from the turbocharger to ~~a throttle body~~ of the engine.

Claim 92 (previously presented): The turbocharger installation kit of claim 90, wherein said mounting hardware is configured to mount the turbocharger at least partially in a space normally occupied by an existing muffler of the vehicle.

Claim 93 (previously presented): The turbocharger installation kit of claim 90, further comprising a valve for coupling to the first oil line and for preventing oil flow into the turbocharger when the engine is not running.

Claim 94 (previously presented): The turbocharger installation kit of claim 90, further comprising second exhaust plumbing for coupling to the turbocharger and exiting exhaust from the turbocharger.

Claim 95 (currently amended): The turbocharger installation kit of claim 90, further comprising second mounting hardware for mounting the oil pump proximate ~~an underside of the vehicle~~ said turbocharger.

Claim 96 (previously presented): The turbocharger installation kit of claim 90, further comprising an electrical harness, switch, and relay for providing variable voltage to the oil pump to adequately meet the varying flow requirements of the turbocharger while reducing the noise output of the oil pump when flow requirements are minimal.

Claim 97 (previously presented): The turbocharger installation kit of claim 90, further comprising a hose and fittings to connect a fuel pressure regulator to an intake tube, an intake manifold, or to an exhaust line.

Claim 98 (previously presented): The turbocharger installation kit of claim 90, further comprising a wastegate control system for regulating boost pressure.

Claim 99 (previously presented): The turbocharger installation kit of claim 90, further comprising a pump controller for regulating the speed of the pump according to engine speed.

Claim 100 (currently amended): A turbocharger installation kit for a combustion engine, comprising:  
a turbocharger;  
an oil pump for coupling to the turbocharger to assist in the flow of oil through the turbocharger;  
first exhaust plumbing configured for coupling said turbocharger to a flow of exhaust from an engine of a vehicle;  
second exhaust plumbing for coupling to the turbocharger and exiting exhaust from the turbocharger;  
first mounting hardware configured for mounting the turbocharger to the underside of the vehicle and away from ~~on the engine and engine compartment~~ of the vehicle;  
a first oil line configured for coupling between an oiling system of the vehicle and the turbocharger;  
a second oil line for coupling between the oil pump and the oiling system of the vehicle; and  
second mounting hardware configured for mounting the oil pump to an underside of the vehicle.

Claim 101 (currently amended): The turbocharger installation kit of claim 100, further comprising a first duct for delivering air from the turbocharger to ~~a throttle body~~ of the engine.

Claim 102 (previously presented): The turbocharger installation kit of claim 100, wherein said first mounting hardware is configured to mount the turbocharger at least partially in a space normally occupied by an existing muffler of the vehicle.

Claim 103 (previously presented): The turbocharger installation kit of claim 100, further comprising a valve for coupling to the first oil line and for preventing oil flow into the turbocharger when the engine is not running.

Claim 104 (cancelled)

Claim 105 (previously presented): The turbocharger installation kit of claim 100, further comprising an electrical harness, switch, and relay for providing variable voltage to the oil pump to adequately meet the varying flow requirements of the turbocharger while reducing the noise output of the oil pump when flow requirements are minimal.

Claim 106 (previously presented): The turbocharger installation kit of claim 100, further comprising a hose and fittings to connect a fuel pressure regulator to an intake tube, an intake manifold, or to an exhaust line.

Claim 107 (previously presented): The turbocharger installation kit of claim 100, further comprising a wastegate control system for regulating boost pressure.

Claim 108 (previously presented): The turbocharger installation kit of claim 100, further comprising a pump controller for regulating the speed of the pump according to engine speed.

Claim 109 (currently amended): A turbocharger installation kit for combustion engine, comprising:

a turbocharger;

an oil pump for coupling to the turbocharger to assist in the flow of oil through the turbocharger;

first exhaust plumbing configured for coupling said turbocharger to a flow of exhaust from an engine of a vehicle;

mounting hardware configured for remotely mounting the turbocharger to an underside of the vehicle away from an engine and engine compartment of the vehicle;

a first oil line configured for coupling between an oiling system of the vehicle and the turbocharger;

a second oil line for coupling between the oil pump and the oiling system of the vehicle; and an electrical harness, switch, and relay for providing variable voltage to the oil pump to

adequately meet the varying flow requirements of the turbocharger ~~while~~ by reducing the speed of and thus the noise output of the oil pump when flow requirements are minimal reduced.

Claim 110 (previously presented): The turbocharger installation kit of claim 109, further comprising a first duct for delivering air from the turbocharger to a throttle body of the engine.

Claim 111 (previously presented): The turbocharger installation kit of claim 109, wherein said mounting hardware is configured to mount the turbocharger in a space normally occupied by an existing muffler of the vehicle.

Claim 112 (previously presented): The turbocharger installation kit of claim 109, further comprising a valve for coupling to the first oil line and for preventing oil flow into the turbocharger when the engine is not running.

Claim 113 (previously presented): The turbocharger installation kit of claim 109, further comprising second exhaust plumbing for coupling to the turbocharger and exiting exhaust from the turbocharger.

Claim 114 (previously presented): The turbocharger installation kit of claim 109, further comprising mounting hardware for mounting the oil pump proximate an underside of the vehicle.

Claim 115 (previously presented): The turbocharger installation kit of claim 109, further comprising a hose and fittings to connect a fuel pressure regulator to an intake tube, an intake manifold, or to an exhaust line.

Claims 116 -123 (Canceled)